VOLUME 74, ISSUE 1, FEBRUARY 1996

Review Articles

IL-3 receptor expression, regulation and function in cells of the vasculature
EI Korpelainen, JR Gamble, MA Vadas and AF Lopez 1

ISCOMs (immunostimulating complexes): The first decade
IG Barr and GF Mitchell 8

Research Articles

Interactions of tunicate immunomodulatory proteins with mammalian cells
D Raftos 26

T cell responses to *Mycobacterium bovis* in red deer, a large animal model for tuberculosis
ML Cross, ND Chinn, JFT Griffin and GS Buchan 32

Similar abnormalities of idiotype and immunoglobulin light chain expression and of cell-mediated cytotoxicity in HIV-infected humans and simian immunodeficiency virus (SIV)-infected rhesus macaques
MD Grant, MD Whaley, A Mayne, GW Hoffmann and AA Ansari 38

Bacterial metabolism, cytokine mRNA transcription and viability of bovine alveolar macrophages infected with *Mycobacterium bovis* BCG or virulent *M. bovis*
FE Aldwell, DN Wedlock and BM Buddle 45

Expression of the recombinase-activating gene (RAG-1) in murine early embryogenesis
S Hayakawa, M Tochigi, F Chishima, H Shiraishi, N Takahashi, K Watanabe, KT Fujii and K Satoh 52

Characterization of IgG Fc receptors on CD34 antigen-expressing cell lines (KG-1 and KG-1a)
Z Wu, B Markovic, CN Chesterman and BH Chong 57

Inhibition of T cell mitogenesis by a novel anti-CD45R monoclonal antibody
SC Robson, JB Siegel and RE Kirsch 65

A comparison of the anti-idiotypic responses generated by antibodies to a protein and a hapten: A common interspecies idiotype on antibodies against human albumin induces an idiotypic network in rabbits.
RM Comacchio, J Bradley and AW Hohmann 72

Manipulation of the helper T cell response to influence antigenic competition occurring with a multivalent vaccine
JD Hunt, LE Brown, PR Wood, DJ Stewart and DC Jackson 81

Polymorphism of IgE gene in chronic urticaria
K-Y Pan, RS Walls, P Rajasekariah, M Sherritt and RS Warlow 90

Antigen-specific apoptosis in immortalized T cells by soluble MHC class II-peptide complexes
S Arimilli, JB Mumm and B Nag 96

Brief Communication

The monoclonal antibody Mac 387 recognizes three S100 proteins in human neutrophils
F Guignard, J Mauël and M Markert 105

Book Review 108

VOLUME 74, ISSUE 2, APRIL 1996

Review Articles

The use of embryo genotyping in the propagation of genes involved in the immune response
A Saberivand and PM Outteridge 109

Transcription factor AP-1, and the role of Fra-2
VC Foletta 121

Research Articles

Gonadotropin-releasing hormone agonist influences absolute levels of lymphocyte subsets *in vivo* in male mice
LV Rao, RP Cleveland, RJ Kimmel and KM Ataya 134

Control of scarring in adult wounds using antisense transforming growth factor-β1 oligodeoxynucleotides
B-M Choi, H-J Kwak, C-D Jun, S-D Park, K-Y Kim, H-R Kim and H-T Chung 144

Molecular cloning and characterization of tumour necrosis factor alpha (TNF-α) from the Australian common brushtail possum, *Trichosurus vulpecula*
DN Wedlock, FE Aldwell and BM Buddle 151

Theoretical Article

Uncontrolled triggering of programmed cell death (apoptosis) in haematopoietic stem cells: A new hypothesis for the pathogenesis of aplastic anaemia
F Laveder and R Marcolongo 159

Brief Communication

Populations of thymocytes and peripheral blood leucocytes in leukaemia-bearing mice treated with G-CSF
J Kawiak, G Hoser, B Miks, Z Pojda, A Sobiczewska, E Machaj and A Wrembel 163

Special Feature: Immunoregulation of Allergy

Antigen presentation in allergic sensitization
GC Mudde, IG Reischl, N Corvaïa, A Hren and E-M Poellabauer 167

Immunologic responses following respiratory sensitization to house dust mite allergens in mice
RM O'Brien, MAY Ooi, AH Clarke and WR Thomas 174

Peptide-mediated regulation of the allergic immune response
GF Hoyne and JR Lamb 180

Immunological and structural similarities among allergens: Prerequisite for a specific and component-based therapy of allergy
R Valenta, P Steinberger, M Duchêne and D Kraft 187

Anti-IgE in allergic sensitization
BM Stadler, MP Rudolf, AW Zürcher, S Miescher and M Vogel 195

Atopy and the ectopic immune response
RC Aalberse 201

The role of Th2 type $CD4^+$ T cells and Th2 type $CD8^+$ T cells in asthma
KJ Erb and G Le Gros 206

The relevance of murine animal models to study the development of allergic bronchial asthma
U Herz, U Lumpp, J Casimiro da Palma, K Enssle, K Takatsu, N Schnoy, A Daser, E Köttgen, U Wahn and H Renz 209

How is expression of the interleukin-5 gene regulated?
S Karlen, VA Mordvinov and CJ Sanderson 218

Abstracts

8th APLAR Congress of Rheumatology A1

VOLUME 74, ISSUE 3, JUNE 1996

Research Articles

Mast cell-derived histamine and tumour necrosis factor: Differences between SJL/J and BALB/c inbred strains of mice
BF Bebo Jr, CH Lee, EL Orr and DS Linthicum 225

The phosphotyrosine phosphatase inhibitor-phenylarsine oxide restores defective phosphoinositide hydrolysis response in anergic C3H-*gld/gld* lymphocytes
W Ling, DJ Tibbetts, RC Crain and MA Lynes 231

Susceptibility to *Leishmania major* in IL-4 transgenic mice is not correlated with the lack of a Th1 immune response
KJ Erb, C Blank and H Moll 239

Gene family use and somatic mutation in primary and secondary fluorescein-specific IgM antibody responses
H Van Der Keyl, C Hsu, A Tolat, S Kansil, MR Dalesandro, DR Dorer, A Caton and JA Owen 245

The effects of four neuropeptides on the degranulation of mucosal mast cells from sheep
MJ Stewart, DL Emery, SJ McClure and T Bendixsen 255

Anti-receptor antibodies inhibit *Pseudomonas aeruginosa* binding to the cornea and prevent corneal perforation
JA Hobden, SK Gupta, SA Masinick, X Wu, KA Kernacki, RS Berk and LD Hazlett 258

Distribution of antigen specific memory T cells in lymph nodes after immunization at peripheral or mucosal sites
R Premier, HJ Jacobs, MR Brandon and ENT Meeusen 265

Theoretical Articles

Dissociation of production of interleukin-4 and interleukin-5
WA Sewell and H-H Mu 274

Signal minus 1: A key factor in immunological tolerance to tissue-specific self antigens?
CR Parish 278

How adaptive antibodies facilitate the evolution of natural antibodies
RW Anderson 286

A high affinity T cell receptor?
S Alberti 292

Brief Communication

Antigen-specific IgA-secreting cells induced by peripheral vaccination
JS Rothel, LA Corner, H-F Seow, PR Wood and MW Lightowlers 298

Abstracts

Abstracts of the Annual Scientific Meeting of the Transplantation Society of Australia and New Zealand A17

VOLUME 74, ISSUE 4, AUGUST 1996

Commentary

Malaria vaccine trials: The missing qualitative data
MU Ferreira 301

Research Articles

Quantifying phagocytosis of *Mycobacterium avium* complex by human monocytes in whole blood
MJ Hewish, AM Meikle, SD Hunter and SM Crowe 306

Expression of the T cell receptor δ-chain repertoire in mouse lymph node
C Olive 313

Exacerbation of invasive aspergillosis by the immunosuppressive fungal metabolite, gliotoxin
P Sutton, P Waring and A Müllbacher 318

Modulation of immune responses by bovine β-casein
CW Wong, HF Seow, AH Liu, AJ Husband, GW Smithers and DL Watson 323

The PCR typing of MHC-*DRB* genes in the sheep using primers for an intronic microsatellite: Application to nematode parasite resistance
PM Outteridge, L Andersson, PGC Douch, RS Green, PS Gwakisa, MA Hohenhaus and S Mikko 330

Theoretical Article

IgE, allergies and helminth parasites: A new perspective on an old conundrum
RG Bell 337

Brief Communication

The effect of BCG, zymosan and *Coxiella burnetti* extract on *Eimeria* infections
NC Smith and KS Ovington 346

Special Feature: Evolution of Adaptive Immunity

Evolution of MHC class I genes in higher primates
K Lienert and P Parham 349

Heavy-chain variable regions in carcharhine sharks: Development of a comprehensive model for the evolution of V_H domains among the gnathanstomes
SX Shen, RM Bernstein, SF Schluter and JJ Marchalonis 357

NK-like activity against allogeneic tumour cells demonstrated in the spleen of control and thymectomized *Xenopus*
TL Horton, P Ritchie, MD Watson and JD Horton 365

A partial sequence for nitric oxide synthase from a goldfish (*Carassius auratus*) macrophage cell line
KJ Laing, PS Grabowski, M Belosevic and CJ Secombes 374

Book Reviews 380

VOLUME 74, ISSUE 5, OCTOBER 1996

Research Articles

Interaction of monocytoid cells with the mucosal addressin MAdCAM-1 via the integrins VLA-4 and LPAM-1
YI Yang, JEB Harrison, CG Print, K Lehnert, M Sammar, A Lazarovits and GW Krissansen 383

Endogenous presentation of a nascent antigenic epitope to $CD8^+$ CTL is more efficient than exogenous presentation
YS Hahn, CS Hahn and TJ Braciale 394

Regulation of autoimmune diabetes: Characteristics of non-islet-antigen specific therapies
LS Gazda, AG Baxter and KJ Lafferty 401

In vivo studies of macrophages and intercellular adhesion molecule-1 following lipopolysaccharide treatment in tumour-bearing rats
TM Nilsson, AE Woods and AM Rofe 408

Memory alloreactive cytotoxic T cells do not require costimulation for activation *in vitro*
K Flynn and A Müllbacher 413

Cloning of novel kinectin splice variants with alternative C-termini: Structure, distribution and evolution of mouse kinectin
E Leung, CG Print, DAD Parry, DN Closey, PJ Lockhart, SJM Skinner, DC Batchelor and GW Krissansen 421

Review Article

Tumour necrosis factor-alpha (TNF-α): The good, the bad and potentially very effective
JAJ Barbara, X Van Ostade and AF Lopez 434

Theoretical Article

Peptide binding function and the paradox of HLA disease associations
AL Hughes, M Yeager and M Carrington 444

Special feature: Highlights of the Curtin Conference on Cytokines and the Immune Response

Immune deviation: A historical perspective
CR Parish 449

Breast cancer immunotherapy: Current status and future prospects
V Apostolopoulos, IFC McKenzie and GA Pietersz 457

Tumour necrosis factor and lymphotoxin: Molecular aspects and role in tissue-specific autoimmunity
H Körner and JD Sedgwick 465

NK cell proliferation and inflammation
HS Warren 473

Book reviews 481

VOLUME 74, ISSUE 6, DECEMBER 1996

Research Articles

Primary cytotoxicity of SEB-activated human PBMC and separated $CD8^+$ and $CD4^+$ T lymphocytes elicited by two different stimulation protocols
G Seprényi, J Abe and T Kohsaka 483

Cloning of the mucosal addressin MAdCAM-1 from human brain: Identification of novel alternatively spliced transcripts
E Leung, J Greene, J Ni, LG Raymond, K Lehnert, R Langley and GW Krissansen 490

An *in vivo* mammary infusion model for tissue migration of leucocytes during inflammation
C Greenhalgh, HJ Jacobs and ENT Meeusen 497

Special feature: Immune Evasion by Pathogens

Molecular basis of immune evasion strategies by adenoviruses
H Hayder and A Müllbacher 504

Masters of deception: A review of herpesvirus immune evasion strategies
NJ Davis-Poynter and HE Farrell 513

Mechanisms of interference with the MHC class I-restricted pathway of antigen presentation by herpesviruses
AB Hill 523

Evasion of apoptosis by DNA viruses
S Cuff and J Ruby 527

M-T2: A poxvirus TNF receptor homologue with dual activities
L Sedger and G McFadden 538

Antigenic variation and immune evasion in *Plasmodium falciparum* malaria
JC Reeder and GV Brown 546

Regulation of host cell function by glycosylphosphatidylinositols of the parasitic protozoa
L Schofield and SD Tachado 555

Defence against the immune barrage: Helminth survival strategies
M Riffkin, H-F Seow, D Jackson, L Brown and P Wood 564

Abstracts

20th Annual Scientific Conference of the Matrix Biology Society of Australia and New Zealand A37

Author Index 575

Subject Index 577